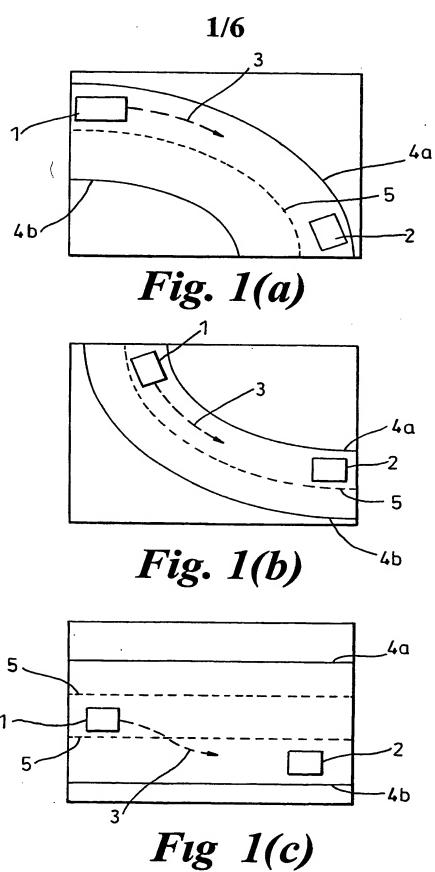
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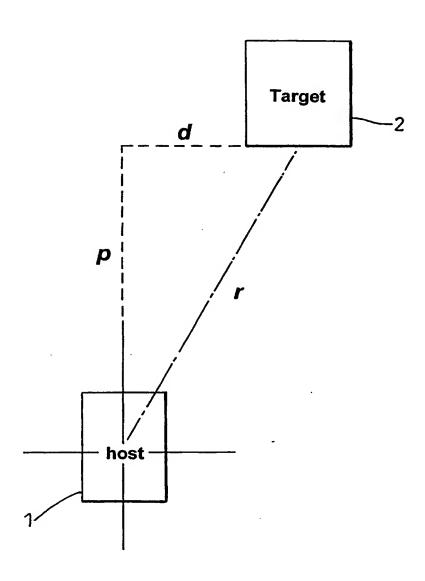


Fig 2

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 ϵ^i_{ϵ}

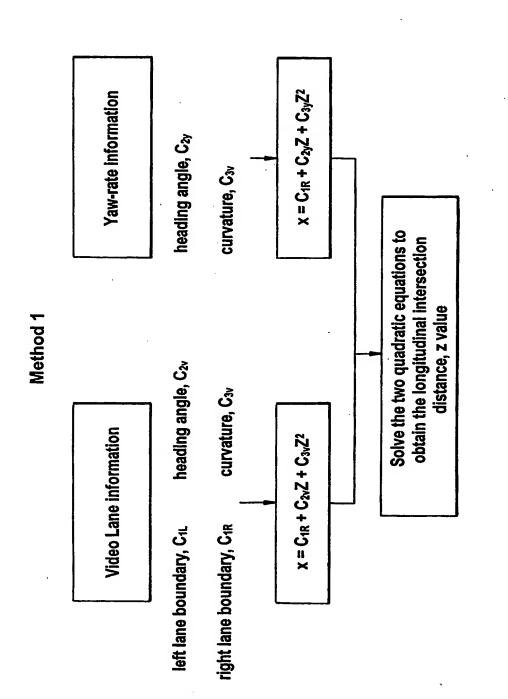


Fig 3

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Method 2

Video Lane information

left lane boundary, C_{1L}

heading angle, C_{2v}

right lane boundary, C_{1R}

curvature, C_{3v}

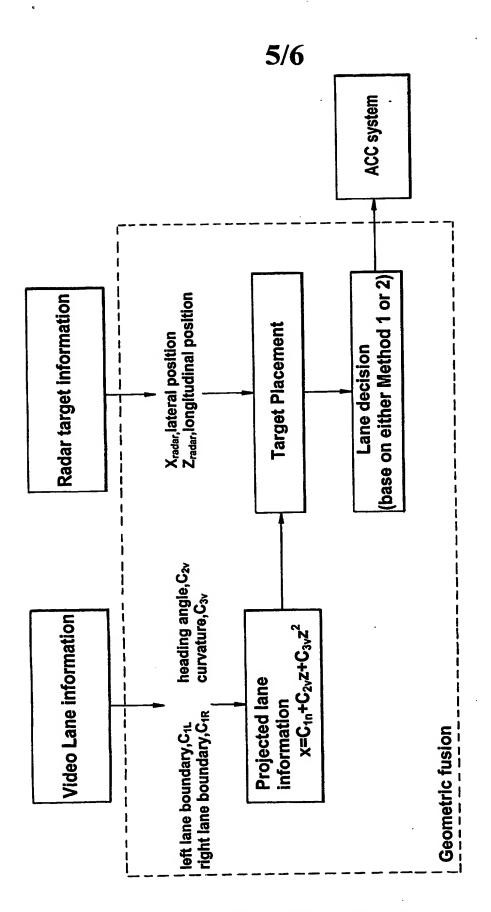
work out the longitudinal intersection distance, z based on heading angle and the lane boundary

 $z=C_{1N}/tan^{-1}(C_{2v})$ where n can be L or R

Fig. 4

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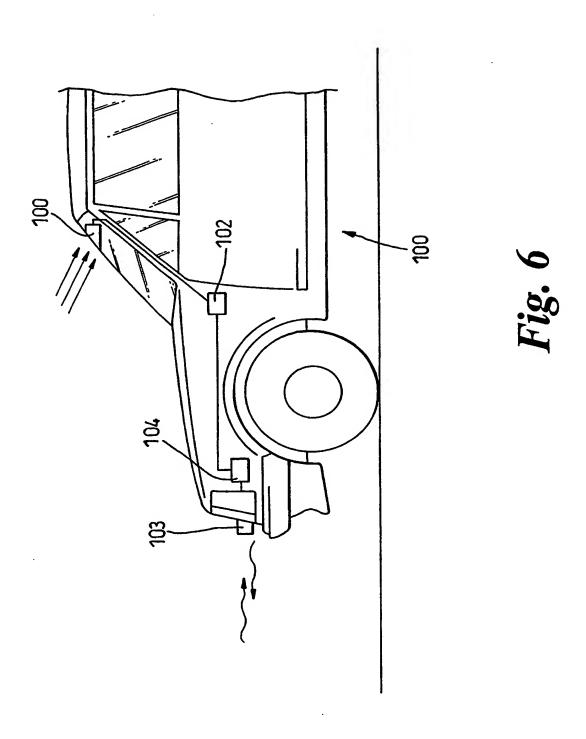




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